Learning to Fly: The Wright Brother's Adventure			
1997 Mathematics			
Content Standards			
California Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
1902: Success at Last	CA	MA.6.NS.1.4	Calculate given percentages of quantities and solve problems involving discounts at sales, interest earned, and tips.
1903: Powered Flight	CA	MA.6.NS.2.3	Solve addition, subtraction, multiplication, and division problems, including those arising in concrete situations, that use positive and negative integers and combinations of these operations.
1903: Powered Flight	CA	MA.6.AF.2.2	Demonstrate an understanding that rate is a measure of one quantity per unit value of another quantity.
1903: Powered Flight	CA	MA.6.AF.2.3	Solve problems involving rates, average speed, distance, and time.
1903: Powered Flight	CA	MA.6.MR.2.3	Estimate unknown quantities graphically and solve for them by using logical reasoning and arithmetic and algebraic techniques.
1903: Powered Flight	CA	MA.6.MR.2.4	Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning.
Learning to Fly: The Wright Brother's Adventure			
1997 Mathematics			
Content Standards			
California Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
1901: The First Improvement	CA	MA.7.MG.1.2	Construct and read drawings and models made to scale.
1902: Success at Last	CA	MA.7.NS.1.6	Calculate the percentage of increases and decreases of a quantity.
1902: Success at Last	CA	MA.7.NS.1.7	Solve problems that involve discounts, markups, commissions, and profit and compute simple and compound interest.
1903: Powered Flight	CA	MA.7.NS.1.3	Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.
1903: Powered Flight	CA	MA.7.AF.1.5	Represent quantitative relationships graphically and interpret the meaning of a specific part of a graph in the situation represented by the graph.
1903: Powered Flight	CA	MA.7.AF.4.2	Solve multistep problems involving rate, average speed, distance, and time or a direct variation.

1903: Powered Flight	CA	MA.7.MG.1.1	Compare weights, capacities, geometric measures, times, and temperatures within and between measurement systems (e.g., miles per hour and feet per second, cubic inches to cubic centimeters).
1903: Powered Flight	CA	MA.7.MG.1.3	Use measures expressed as rates (e.g., speed, density) and measures expressed as products (e.g., person-days) to solve problems; check the units of the solutions; and use dimensional analysis to check the reasonableness of the answer.
1903: Powered Flight	CA	MA.7.MG.2.2	Estimate and compute the area of more complex or irregular two- and three-dimensional figures by breaking the figures down into more basic geometric objects.
1903: Powered Flight	CA	MA.7.MR.2.3	Estimate unknown quantities graphically and solve for them by using logical reasoning and arithmetic and algebraic techniques.
1903: Powered Flight	CA	MA.7.MR.2.5	Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning.